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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/774,101	02/06/2004	Jui-Yuan Tsai	251806-1040	8394
24504 7590 03/20/2007 THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 100 GALLERIA PARKWAY, NW STE 1750 ATLANTA, GA 30339-5948			EXAMINER	
			NGUYEN, JENNIFER T	
			ART UNIT	PAPER NUMBER
,,	3000		2629	
SHORTENED STATUTORY F	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONT	ΉS	03/20/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)
.	10/774,101	TSAI ET AL.
Office Action Summary	Examiner	Art Unit
	Jennifer T. Nguyen	2629
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 06 Fee 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final.	
Disposition of Claims		
 4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 		
Application Papers		
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original transfer of the control of the control of the original transfer of the control of the contro	epted or b) objected to by the lidrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)		
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/26/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art (hereinafter AAPA) and Chen et al. (hereinafter Chen) (Patent No.: US 5,859,558).

Regarding claims 1 and 4, AAPA teaches an image processing device for a digital display (Figs. 1 and 2), the device processing image signals inputted from a display card (VGA card) (110) and comprising:

a peripheral circuit (120), which is coupled to the display card, for transmitting the image signals, wherein the peripheral circuit has a first ground GND); and

an analog front end (AFE) device (130), which is coupled to the peripheral circuit, for converting the image signals, wherein the AFE device has a plurality of converters (ADC) for converting the image signals, and each of the converters shares a second ground (Ground) [0005-0009].

AAPA differs from claim 1 in that it does not specifically teach a second ground is electrically connected to the first ground.

Chen teaches AFE device shares a ground with a peripheral circuit (fig. 2) (col. 3, lines 6-15). Therefore, it would have been obvious to one of ordinary skill in the art at the time the

invention was made to incorporate the ground as taught by Chen in the system of AAPA in order to prevent the problem of distortion of the differential signal.

Regarding claims 2 and 5, AAPA teaches the image signals comprise a red signal, a green signal and a blue signal, and the converters comprise a red converter, a green converter and a blue converter for respectively converting the red, green and blue signals from analog ones into digital ones [0005].

Regarding claim 3, AAPA teaches the digital display is a liquid crystal display [0008].

Regarding claims 6 and 7, the combination of AAPA and Chen teaches the second ground is electrically connected to the first ground via one of the pins (i.e., node 10, fig. 2 of Chen).

Regarding claim 8, AAPA teaches the peripheral circuit is disposed on a printed circuit board [0008].

4. The prior art made of record and not relied upon is considered to pertinent applicant's disclosure: Patent. No. US 6,996,200 and US 2002/00306649.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer T. Nguyen whose telephone number is 571-272-7696. The examiner can normally be reached on Mon-Fri: 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard A. Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Jennifer Nguyen 3/16/07

RICHARD HJÉRPE SUPERVISORY PATENT EXAMINER TECHNICAL AY CENTER 2600